BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

							Estimate Cost Rs.		3000000.00
Name of Work: Construction of Rangamandira in Judicial Layout in ward no:04.									
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for **levelling and lowering** the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) / 2.3.1 (P.5/I.2.1 PW, P & IWTD -SR 2013-14)	Cum							
			1	27.00	12.00	0.20	64.80		
							64.80	**124.02**	**8036.00**
	Basic Rate	117.00							
	Area Weightage @ 6%	7.02							
	Total	**124.02**							
2	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2013-14)	Cum							
	CCL		1	71.00	0.90	1.20	76.68		
	C1		11	1.50	1.20	1.50	29.70		
	C2		4	1.20	0.90	1.20	5.18		
	Toilet walls		2	4.00	0.75	0.90	5.40		
	steps		2	1.50	0.75	0.20	0.45		
							117.41		
	deductions portions (-)								

	C1 portion		11	1.20	0.90	1.20	14.26		
	C2 portion		4	0.90	0.90	1.20	3.89		
							18.14		
							99.27	223.66	**22203.00**
	Basic Rate	211.00							
	Area Weightage @ 6%	12.66							
	Total	**223.66**							
3	KSRB 2.10: Providing sand cement bed with 5% cement with all leads for all materials and lift of 1.5 m. machine mixed, laid in layers of 15cms. thick and well compacted for foundation, including curing cost of materials labour and HOM complete as per specifications. specification. No. KBS (P.6/I.2.17 PW, P & IWTD -SR 2013-14)	Cum							
	CCL		1	71.00	0.90	0.15	9.59		
	C1		11	1.50	1.20	0.15	2.97		
	C2		4	1.20	0.90	0.15	0.65		
	Toilet walls		2	4.00	0.75	0.15	0.90		
	steps		2	1.50	0.75	0.15	0.34		
	deductions portions (-)						**14.44**		
	C1 portion		11	1.20	0.90	0.15	1.78		
	C2 portion		4	0.90	0.90	0.15	0.49		
							2.27		
							12.17	2604.42	**31702.00**
	Basic Rate	2457.00							
	Area Weightage @ 6%	147.42							
	Total	**2604.42**							
4	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix **M 7.5 withOPC** cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2013-14	Cum							
	CCL		1	71.00	0.90	0.15	9.59		
	C1		11	1.50	1.20	0.15	2.97		

	C2		4	1.20	0.90	0.15	0.65		
	Toilet walls		2	4.00	0.75	0.15	0.90		
	steps		2	1.50	0.75	0.15	0.34		
	flooring of rangamandira hall		1	12.00	9.00	0.10	10.80		
	Rooms		2	4.50	4.50	0.10	4.05		
	Toilets		2	1.20	1.20	0.10	0.29		
	flagging concrete for all around								
	back		1	23.80	1.00	0.15	3.57		
	right side and left side		2	3.30	1.00	0.15	0.99		
			2	1.40	1.00	0.15	0.42		
			2	2.60	1.00	0.15	0.78		
			2	6.10	1.00	0.15	1.83		
			2	4.50	1.00	0.15	1.35		
	Front		1	12.00	1.00	0.15	1.80		
	Infront of Rangamandira		1	25.00	12.60	0.15	47.25		
	deductions portions (-)						87.57		
	C1 portion		11	1.20	0.90	0.15	1.78		
	C2 portion		4	0.90	0.90	0.15	0.49		
							2.27		
							85.30	4211.38	359233.00
	Basic Rate	3973.00							
	Area Weightage @ 6%	238.38							
	Total	**4211.38**							
5	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.22/I.5.6 PW, P & IWTD -SR 2013-14)	Cum							
	CCL for 1st footing		1	71.00	0.75	0.40	21.30		
	2nd footing		1	71.00	0.60	0.60	25.56		
	toilet walls		2	4.00	0.60	0.75	3.60		
	steps		2	1.20	0.60	0.20	0.29		
							50.75		
	Deductions								
	C1		11	1.20	0.75	0.40	3.96		
	C2		4	0.90	0.75	0.40	1.08		
	C1		11	0.60	0.20	0.60	0.79		
	C2		4	0.40	0.20	0.60	0.19		
							6.02		
							44.72	3484.22	155828.00

	Basic Rate	3287.00							
	Area Weightage @ 6%	197.22							
	Total	**3484.22**							
6	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.22/I.5.9 PW, P & IWTD -SR 2013-14)	Cum							
	CCL		1	71.00	0.45	0.40	12.78		
	toilet walls		2	4.00	0.45	0.40	1.44		
	Steps		1	1.20	0.40	0.20	0.10		
			1	1.20	0.20	0.20	0.05		
							14.36		
	Deductions								
	C1		11	0.60	0.20	0.40	0.53		
	C2		4	0.40	0.20	0.40	0.13		
							0.66		
							13.71	4148.84	56872.00
	Basic Rate	3914.00							
	Area Weightage @ 6%	234.84							
	Total	**4148.84**							
7	KSRB 15.1.3 Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.97/I.15.3 PW, P & IWTD SR 2013-14)	Sqm							
	For all round out side walls		1	22.00		0.40	8.80		
			2	5.10		0.40	4.08		
			2	1.50		0.40	1.20		
			2	6.20		0.40	4.96		
			2	4.20		0.40	3.36		
			1	12.60		0.40	5.04		
							27.44	78.44	2152.00
	Basic Rate	74.00							
	Area Weightage @ 6%	4.44							

	Total	78.44							
8	KSRB 4-1.6 : Providing and laying in position plain cement concrete of nominal mix 1:2:4 using 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.6 PW, P & IWTD -SR 2013-14)	Cum							
	CCL		1	71.00	0.45	0.10	3.20		
	toilet walls		2	4.00	0.45	0.10	0.36		
	Steps		1	1.20	0.40	0.10	0.05		
			1	1.20	0.20	0.10	0.02		
	flagging concrete for all around								
	back		1	23.80	1.00	0.10	2.38		
	right side and left side		2	3.30	1.00	0.10	0.66		
			2	1.40	1.00	0.10	0.28		
			2	2.60	1.00	0.10	0.52		
			2	6.10	1.00	0.10	1.22		
			2	4.50	1.00	0.10	0.90		
	Front		1	12.00	1.00	0.10	1.20		
	infront of Rangamandira		1	25.00	12.60	0.10	31.50		
							42.29		
	Deductions								
	C1		11	0.60	0.20	0.10	0.13		
	C2		4	0.40	0.20	0.10	0.03		
							0.16		
							42.12	**4690.50**	**197578.00**
	Basic Rate	4425.00							
	Area Weightage @ 6%	265.50							
	Total	**4690.50**							

	KSRB 2.3: Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. specification. No. KBS 2.9 (P.6/I.2.10 PW, P & IWTD 2013-14	Cum							
			Qty Vide Item No.2				99.27	99.64	9891.00
	Basic Rate	94.00							
	Area Weightage @ 6%	5.64							
	Total	**99.64**							
10	KSRB 4-6.1 : Providing and **removing centering, shuttering,** strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.14/I.4.28 PW, P & IWTD --SR 2013-14)	Sqm							
	For columns footings C1		11	5.40		0.45	26.73		
	C2		4	4.20		0.30	5.04		
	Basic Rate	208.00					**31.77**	**220.48**	7005.00
	Area Weightage @ 6%	12.48							
	Total	**220.48**							
11	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.15/I.4.32 PW, P & IWTD --SR 2013-14)	Sqm							
	Columns C1		11	1.60		6.60	116.16		
			4	1.20		4.50	21.60		
	Basic Rate	312.00					**137.76**	330.72	**45560.00**
	Area Weightage @ 6%	18.72							
	Total	**330.72**							

	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.15/I.4.34 PW, P & IWTD --SR 2013-14)	Sqm							
	Plinth Beam - Allround		2	71.00		0.30	42.60		
	Toilet walls		2	4.00		0.30	2.40		
	Lintels		2	61.50		0.20	24.60		
	Toilet walls		2	4.00		0.20	1.60		
	1st Tie beams		2	61.50		0.30	36.90		
	2nd Tie beams		2	12.40		0.30	7.44		
			4	9.20		0.30	11.04		
							126.58	**239.56**	**30324.00**
	Basic Rate	226.00							
	Area Weightage @ 6%	13.56							
	Total	**239.56**							
13	KSRB 4-6.2: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.14/I.4.29 PW, P & IWTD-SR 2013-14)	Sqm							
	Rooms		2	4.50	4.50		40.50		
	Toilets		2	1.20	1.20		2.88		
	Basic Rate	268.00					**43.38**	**284.08**	**12323.00**
	Area Weightage @ 6%	16.08							
	Total	**284.08**							

	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.15/I.4.37 PW, P & IWTD --SR 2013-14)	Sqm							
			4	1.20	0.45		2.16	242.74	524.00
	Basic Rate	229.00							
	Area Weightage @ 6%	13.74							
	Total	**242.74**							
15	KSRB 4.2.2 : Providing and laying in position **Reinforced cement concrete of mix M20 with OPC cement** @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2013-14)	Cum							
	Footings F1		11	1.50	1.20	0.45	8.91		
	F2		4	1.20	0.90	0.30	1.30		
	Columns C1		8	0.60	0.20	6.20	5.95		
			3	0.60	0.20	6.50	2.34		
	C2		4	0.40	0.20	4.80	1.54		
	Plinth beam CCL		1	71.00	0.20	0.30	4.26		
	Toilet walls		2	4.00	0.20	0.30	0.48		

	Lintle beam CCL		1	61.50	0.20	0.20	2.46		
	toilet walls		2	4.00	0.20	0.20	0.32		
	Tie beam CCL		1	61.50	0.20	0.30	3.69		
	Toilet walls		2	4.00	0.20	0.20	0.32		
	Rangamandira Hall 2nd tie beam		1	12.40	0.20	0.30	0.74		
			2	9.20	0.20	0.30	1.10		
	Roof slab		2	4.90	4.70	0.15	6.91		
	Toilet rooms		2	1.60	1.40	0.15	0.67		
							40.99		
	Deductions :-								
	Plinth beams portions C1		11	0.60	0.20	0.30	0.40		
	C2		4	0.40	0.20	0.30	0.10		
	Lintle beamd portions C1		11	0.60	0.20	0.20	0.26		
	C2		4	0.40	0.20	0.20	0.06		
	1st Tie beam portions C1		11	0.60	0.20	0.30	0.40		
	C2		4	0.40	0.20	0.30	0.10		
	2nd tie beam portions C1		11	0.60	0.20	0.30	0.40		
	C2		4	0.40	0.20	0.30	0.10		
							1.80		
							39.19	**5535.32**	216924.00
	Basic Rate	5222.00							
	Area Weightage @ 6%	313.32							
	Total	**5535.32**							
16	KSRB 4.9.2: **Providing T.M.T steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2013-14))	Qtl							
	Columns Footings		10.21	kg/cum	50.00		510.50		
	Columns		9.83	kg/cum	120.00		1179.60		
	Plinth Beams		4.74	kg/cum	100.00		474.00		
	Lintels		2.78	kg/cum	90.00		250.20		
	Beams		5.85	kg/cum	120.00		702.00		
	Roof		7.58	kg/cum	90.00		682.20		
	Chajja		2.16	kg/sqm	20.00		43.20		
							3841.70		
							38.42	7244.04	278316.00
	Basic Rate	6834.00							
	Area Weightage @ 6%	410.04							

	Total	7244.04							
17	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of nominal mix 1:1.5:3 with 12mm and down size graded granite metal, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (P.13/I.4.19 PW, P & IWTD --SR 2013-14)	Sqm							
	Chajjas		4	1.20	0.45		2.16	405.98	877.00
	Basic Rate	383.00							
	Area Weightage @ 6%	22.98							
	Total	405.98							
18	KSRB 5-14: Providing and constructing precast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P.24/I.5.27 PW, P & IWTD -SR 2013-14)	Sqm							
	Room - 1 and 02		6	4.50		3.00	81.00		
	Parafit wall		6	4.50		0.40	10.80		
	Toilet block		2	4.00		1.80	14.40		
	Parafit		2	4.00		0.40	3.20		
	Hall		1	12.40		4.80	59.52		
			2	9.20		4.50	82.80		
							251.72		
	Deductions								
	C1		8	0.60		4.50	21.60		
			3	0.60		4.80	8.64		
	Lintle		1	61.50		0.20	12.30		
	1st Tie beams		1	61.50		0.30	18.45		
	2nd tie beams		1	12.40		0.30	3.72		

			2	9.20		0.30	5.52		
	D		2	0.90		2.10	3.78		
	D1		2	0.75		1.80	2.70		
	W		4	0.90		1.20	4.32		
	V		2	0.75		0.45	0.68		
							81.71		
							170.02	907.36	154265.00
	Basic Rate	856.00							
	Area Weightage @ 6%	51.36							
	Total	907.36							
19	Supplying and fixing pressed **steel door frames size 125 x 65 mm** manufactured from 1.25 mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and shutters made out of seasoned Honne wood, styles of 30 mm thick with lock rail of 160 mm width, top and side of 100 mm width and bottom rails of 250 mm width and panel filling with 12 mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof, vermin proof, heat resistant guaranteed against shrinkage, war page and such other defects for a period of 3 years. This shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting with enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc., complete. The Hollow portion of the frames to be filled with	Sqm							
	D		2	0.90		2.10	3.78		
	D1		2	0.75		1.80	2.70		
							6.48	3710	24041.00
	Basic	3500.00							
	Area Weightage 6%	210.00							
	Total rate	3710.00							

	KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4 Nos. of hold fasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing	Sqm							
	W		4	0.90		1.20	4.32		
	V		2	0.75		0.45	0.68		
							5.00	3638.98	18177.00
	Basic Rate	3433.00							
	Area Weightage @ 6%	205.98							
	Total	**3638.98**							

	Fabricating supplying and erecting M.S. angular Truss of span upto 10m bottom and top member is provided with 50x50x6mm double equale angles, welded back to back and in between top and bottom line, in ereas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided all the members are weldeded togeher with 6mm gusset plate as per drawing, Nos CBS/SD/K-mantap/9/MND/97. The enter truss is anchored in RCC column buy using 4Nos of M.S anchor bolts at eacth support, with 10mm thick base plate and shoe plate. The work includes cutting, straightening , pacing in position of M.S angle and welding wherever necessary, and **applying one of red oxide primer coat** to all the members including cost of all materials, labour charges,and higher charges of mechineries for cutting welding, granding and erection equipments, etc, complete as per specification. Page No. 46/1 No. 7.30/BWD/SB								
a	Tie beam	**Kgs**	4	13.00			52.00		
b	Pricipal rafters		2	9.60			19.20		
							71.20		
	(For 30 kg / mtr)						**2136.00**		
C	purlins 60x60x6mm		24	9.60			230.40		
	(For 5.40 kg/ mtr)						**1244.16**		
	Basic	118.00					**3380.16**	125.08	422790.41
	Area Weightage 6%	7.08							
	Total rate	**125.08**							

	KSRB 8.3-2 Providing and laying to required line and **slope roofing with semi-corrugated (Trafford) asbestos cement sheet** 6mm. thick fixed with galvanised iron J or L hooks, blots and nits 8mm dia C.I. plain and bitumen washers, over the existing purlins, rafters and trusses including cost of materials, labour, complete as per specifications Page No. 51/ Item No. 8.6/ PWD SR 2013-14								
	Rangamandira	sqm	1	13.00	9.60		124.80		
							124.80	397.50	49608.00
	Basic	375.00							
	Area Weightage 6%	22.5							
	Total rate	**397.50**							
23	**Providing and laying flooring** using pre polishing water cut/gang saw 19 mm thick Granite slab over existing cement concrete bed in CM 1:4 at 20mm thick (average) pointed with white cement/ colour pigment etc., complete. -do- using **gray granite** Page No. 115/ Item No. 14.47.1 / PWD SR 2013-14								
	Hall		1	12.00	9.20		110.40		
	Skirting		1	30.00		0.10	3.00		
	Rooms		2	4.50	4.50		40.50		
	Skirting		2	18.00		0.10	3.60		
							157.50		
							315.00	2067.00	651105.00
	Basic	1950.00							
	Area Weightage 6%	117.00							
	Total rate	**2067.00**							
24	KSRB 15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.98/ I.15.21 PW, P & IWTD -SR 2013-14)	Sqm							
	Ceiling Plastering room 1 and 2		2	4.50	4.50		40.50		
	Toilet		2	1.20	1.20		2.88		
							43.38	163.24	7081.00

	Basic Rate	154.00							
	Area Weightage @ 6%	9.24							
	Total	**163.24**							
25	KSRB 15-3.7 : Providing 18mm thick cement plastering single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.97-98/I.15.15 PW, P & IWTD -- SR 2013-14)	Sqm							
	Inside plastering room 1 & 2		8	4.50		3.00	108.00		
	Toilet block		2	4.80		1.80	17.28		
	Hall		1	12.00		4.80	57.60		
			2	9.20		4.50	82.80		
							265.68		
	Deductions								
	D		2	0.90		2.10	3.78		
	D1		2	0.75		1.80	2.70		
	W		4	0.90		1.20	4.32		
	V		2	0.75		0.45	0.68		
							11.48		
							254.21	209.88	**53353.00**
	Basic Rate	198.00							
	Area Weightage @ 6%	11.88							
	Total	**209.88**							
26	KSRB 15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (P.99 /I.15.33 PW, P & IWTD -SR 2013-14)	Sqm							
			Qty Vide Item No.24+25				297.59	19.08	5678.00
	Basic Rate	18.00							
	Area Weightage @ 6%	1.08							
	Total	**19.08**							

	KSRB 15-3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.98/I.15.18 PW, P & IWTD --SR 2013-14)	Sqm							
	Outside plastering		1	21.80		3.60	78.48		
			2	4.90		3.60	35.28		
			2	1.40		3.60	10.08		
			2	6.10		3.60	43.92		
			2	4.70		3.60	33.84		
	Rangamandira hall top portions		1	12.40		1.20	14.88		
			2	9.40		0.90	16.92		
	Rooms inside parafit wall portion		8	4.50		0.60	21.60		
			6	1.20		0.60	4.32		
	Roof surface plastering								
	R-1 and R-02		2	4.50	4.50		40.50		
	Toilets		2	1.20	1.20		2.88		
							302.70		
	Deductions								
	W		4	0.90		1.20	4.32		
	V		2	0.75		0.45	0.68		
							5.00		
	Basic Rate	211.00					297.71	223.66	66585.00
	Area Weightage @ 6%	12.66							
	Total	**223.66**							
28	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint with primer of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer (P.101/I.15.51.2 PW, P & IWTD - SR 2013-14)	Sqm							
				Qty Vide Item No. 29			297.59	63.60	18926.00
	Basic Rate	75.00							
	Area Weightage @ 6%	4.50							
	Total	**79.50**							

	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint with primer of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer (P.102 / 1.15.53.2 PW, P & IWTD --SR 2013-14)	Sqm							
			Qty Vide Item No. 28				297.71	78.44	23352.00
	Basic Rate	74.00							
	Area Weightage @ 6%	4.44							
	Total	**78.44**							
30	KSRB 8.6-5 : Providing and fixing on wall surface 2.5 kg / sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, curing complete as per specifications. (P.42/1.8.16 PW, P & IWTD -SR 2013-14)	Mtr							
			2	3.50			7.00	415.52	2909.00
	Basic Rate	392.00							
	Area Weightage @ 6%	23.52							
	Total	**415.52**							
31	KSRB 14.14-2: Providing colour glazed tiles all sizes 10mm thick for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing using white cement with matching colour pigment, including cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.15.2 (P.93/1.14.33 PW, P & IWTD -SR -SR 2013-14)	Sqm							
	Toilet walls		8	1.20		1.20	11.52		
	flooring		2	1.20	1.20		2.88		

							14.40		
	Deductions		2	0.75		1.20	1.80		
							1.80		
							12.60	882.98	11126.00
	Basic Rate	833.00							
	A.W. @ 6%	49.98							
	Total	**882.98**							
32	KSRB 13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.2 / 13.3 (P.80/I.13.23 PW, P & IWTD -SR 2013-14)	Each							
			2				2.00		
							2.00	231.08	462.00
	Basic Rate	218.00							
	A.W. @ 6%	13.08							
	Total	**231.08**							
33	KSRB 11-1: Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 (P.67/I.12.1 PW, P & IWTD -SR 2013-14)	Each							
			2	1.00			2.00		
							2.00	3489.52	6979.00
	Basic Rate	3292.00							
	A.W. @ 6%	197.52							
	Total	**3489.52**							

	KSRB 13-11.1: Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity). Specification No. KBS 13.22 (P.83/I.13.78 PW, P & IWTD -SR 2013-14)	Nos							
			1				1.00	8831.92	8832.00
	Basic Rate	8332.00							
	A.W. @ 6%	499.92							
	Total	**8831.92**							
35	KSRB 13-1.3: Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 25mm dia nominal bore with fittings (medium grade weight 2.51kg/ mtr) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No. KBS 13.2.14 / 13.8 (P.79/I.13.3 PW, P & IWTD-SR 2013-14)	M							
	building inside water line		1	15.00			15.00	310.58	4659.00
	Basic Rate	293.00							
	A.W. @ 6%	17.58							
	Total	310.58							
36	KSRB 13-1.6: Providing and fixing to wall, celling and floor galvanized / mild steel tube 50 mm dia nominal bore with fittings (medium grade weight 5.24 kg/mtr) B class inclduing cost of all materials, labour charges HOM f equipments and testing complete as per specifications and diretcions incharrge of engineer work) P.No94/13.6,	M							
	rising and delivary water tank		1	10.00			10.00	515.16	5152.00
	Basic Rate	486.00							

	A.W. @ 6%	29.16							
	Total	515.16							
	Electrifications								
37	Supplying and wiring adoptiong loop system in existing PVC conduit /casing caping using copper PVC insulated multi strand 2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose legnth in a wood/PVC round block, complete for each outlet. (P.4/I.8.I.C) Electrical-SR 2012-13)	No.							
	b) Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch		6				6	175.00	1050.00
	c) Long point above 6Mtr upto 10Mtr from tapping point to out let via switch		6				6	368.00	2208.00
38	Supplying 6A flush /projected type socket and a 6 amps flush/projected type SP switch either surface mounting in a gang box or in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required. (P.6/I.12a) Electrical -SR 2012-13)	No							
			12				12	91.00	1092.00
39	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete. (P.4/I.6) Electrical -SR 2012-13)	Each							
	a) 4"x4"x3"		4				4	44.00	176.00
	b) 12"x12"x3"		2				2	98.00	196.00
	c) 10"x7"x3"		2				2	68.00	136.00

	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulated etc.., and fixing on existing wooden or metal box using N.F. screws.., (P.10/I.22) Electrical SR - -SR 2012-13)	Sq. cmt					3000.00	0.22	660.00
41	Extra for groove cutting, plastering and colour washing for embedding PVC conduit/GI pipe and plastering finishing the wall upto wall surface complete upto 50mm conduit in brick in wall (P.3/I.7a) Electrical-SR 2012-13)	Rmtr							
			1	40.00			40.00	14.00	560.00
42	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit..... The pit should be filled with equal proportion of salt and charcoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through GI wire of size as per IS1 specification 7.3.3 of IS 732 using 12 mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 122 mm dia. (P.68/I.2) Electrical -SR 2012-13)	Each							
			1				1	3000.00	3000.00
43	Supplying and fixing of porcelain fuse chanel with cut out on existing wooden/panel using necessary nuts, bolts and washers etc complete (P.32/I.3a) Electrical -SR 2012-13)	Each							
			4				4	54.00	216.00

	Supplying 20mm dia 2mm thick heavy guage PVC conduit pipe with suitable size bends, metal junction boxes, adhesive paste etc and running before concreting the slabs. The conduit should be tied to the reinforcement roads by using binding wire and unused ways of junction boxes and pipe ends should be covered using PVC and enclosures and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. (P.2/I.2a) Electrical -SR 2012-13)	Rmtr							
			1	40.00			40.00	32.00	1280.00
45	Supplying and fixing PBBC brass/Bakelite straight or slant batten holder and wiring, within 60W/230 Volts lamps. (P.13/I.12a) Electrical -SR 2012-13)	No.							
			2				2	60.00	120.00
46	Supply patty type fluorescent tube light fitting of 4 feet 40 watts fluorescent tube of 230 volts made of M.S. sheet and stove enameled with heavy duty polyfill aluminum choke, starter, locking type brass contact holders mounted on foldable type sheet base fully wired.for use on 230 volts AC supply including 1 Nos 4'-36/40 watts fluorecent tube A Group (P.16/I.2a) Electrical -SR 2012-13)	No							
			10				10	400.00	4000.00
47	Wiring for lighting / power circute using one of PVC insulated 1100v/grade multies and copper conductor single core cable in open or consealed system of wiring A Group materials 1.50 Sqmm materials (P.9/I.20Ib) Electrical - SR 2012-13)	Rmtr							
			1	160.00			160.00	15.00	2400.00

48	Supplying and running of GI / Copper conductor for grounding & (along with other wires of CTS or conduit system of wiring) using if necessary suitable size clamps bolts nuts and washers etc. (P.68/I.31c) Electrical -SR 2012-13)	Rmtr							
			1	6.00			6.00	221.00	1326.00
49	Supplying and fixing miniature circuit breakers/Isolators on existing MCB distribution boards using necessary fixing materials and wiring complete as required (P.36/I.12Ba) Electrical -SR 2012-13)	No.							
			1				1	370.00	370.00
50	Supplying capacitor type ceiling fan complete with down rod blades, shakle, regulator canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system and as per technical data approved (Almanord, Unique ISI, Anchor, Crompton, Khaitan, Bajaj, Usha, Johnson make) (P.23/I.23IIa) Electrical -SR 2012-13)	Nos							
			2				2	1900.00	3800.00
51	Fixing a ceiling fan of all capacities and all types to the existing S hook with fan regulator to the existing board together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23/0.0076 inch PVC insulated twin twisted copper wire and wiring completely. (P.29/I.8) Electrical - SR 2012-13)	Nos							
			2				2	105.00	210.00

	supplying and fixing 32mm dia class A GI pipe bracket upto 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. (P.28/I.12b) Electrical-SR 2012-13)	Nos							
			2				2	685.00	1370.00
53	Digging of trench of 0.6m deep x 0.50mtr wide refiling the trench to the required ground level and consolidating etc., complete. In Hard Soil (P.70/I.6b) Electrical - SR 2012-13)	Rmtr							
			1	20.00			20.00	50.00	1000.00
54	Miscellaneous charges								4401.59
								Total	3000000.00

Technical Authority for Rs 30 lakhs only

recorded under head P 3055

CE(Comm)/TC/28/14-15

Conditions contained in memo no 28/14-15 dt 03.09.2014

AE/JE TA SE (BTP) CE (BTP)

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2013-14.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward no: 04

Assistant Executive Engineer
Yelahanka New town Sub Division
Bangalore-64

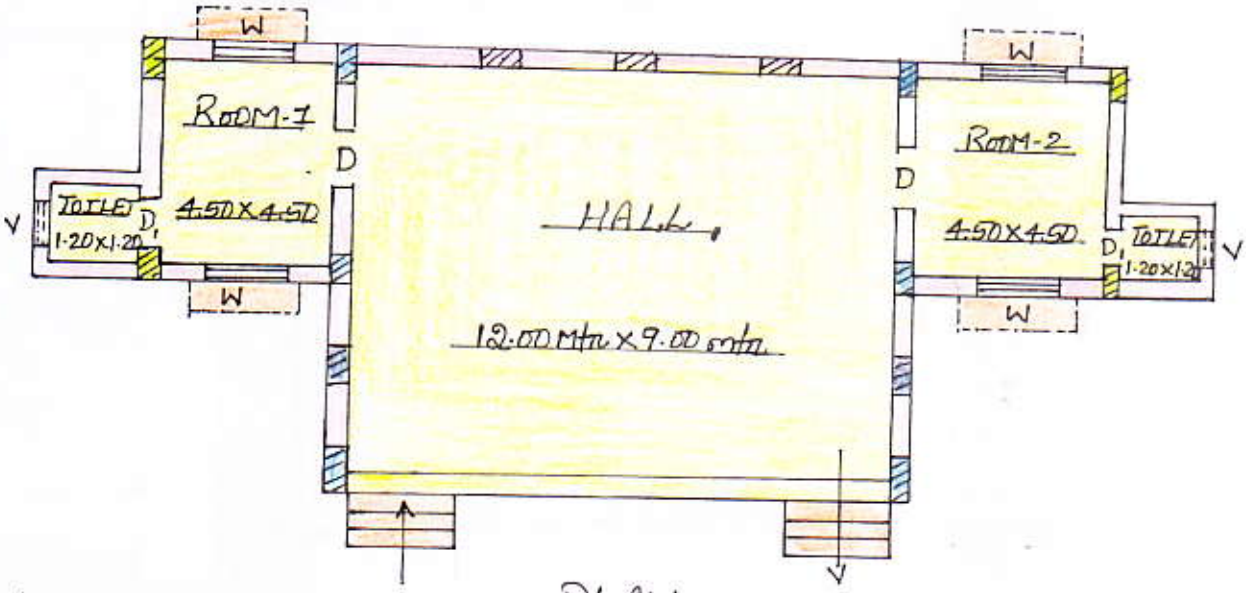
Executive Engineer
Yelahanka Division
Bangalore-64

ADMINISTRATIVELY SANCTIONED FOR Rs. 30.00 lakhs
Rupees Thirty lakhs only
Under
Registered as CE (TC) No 9/9
Subject to conditions contained in
enclosed memo EE ( ) No /91
Dt Estimate sanctioned
Addl Comr(Yz) A/S:PA/1025/2014-15
dated 3-9-2014 Rs 30.00 lakhs only

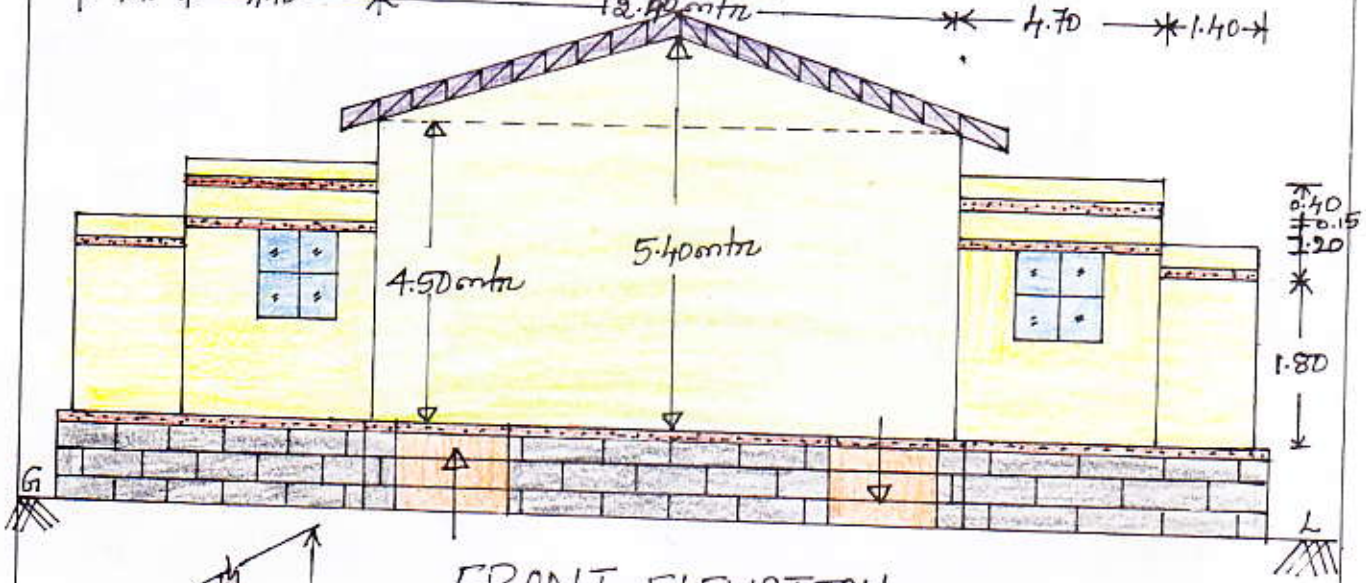
Addl Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

24

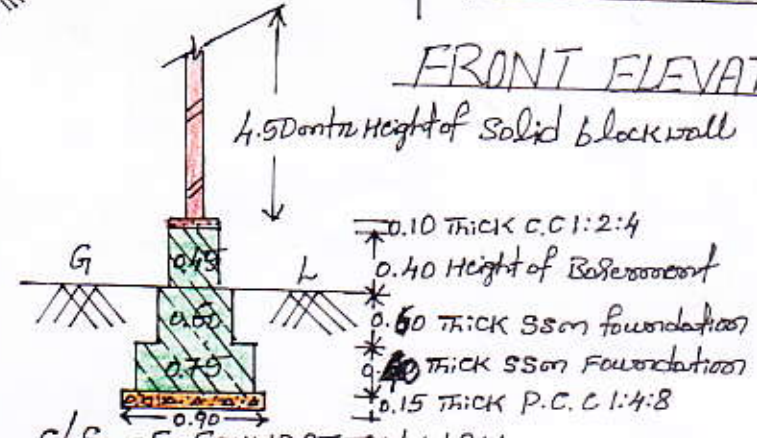
NAME OF WORK :- Construction of Ranganarodinar in judicial layout in ward no-04 & yelahanka New Town Sub-Division.



PLAN



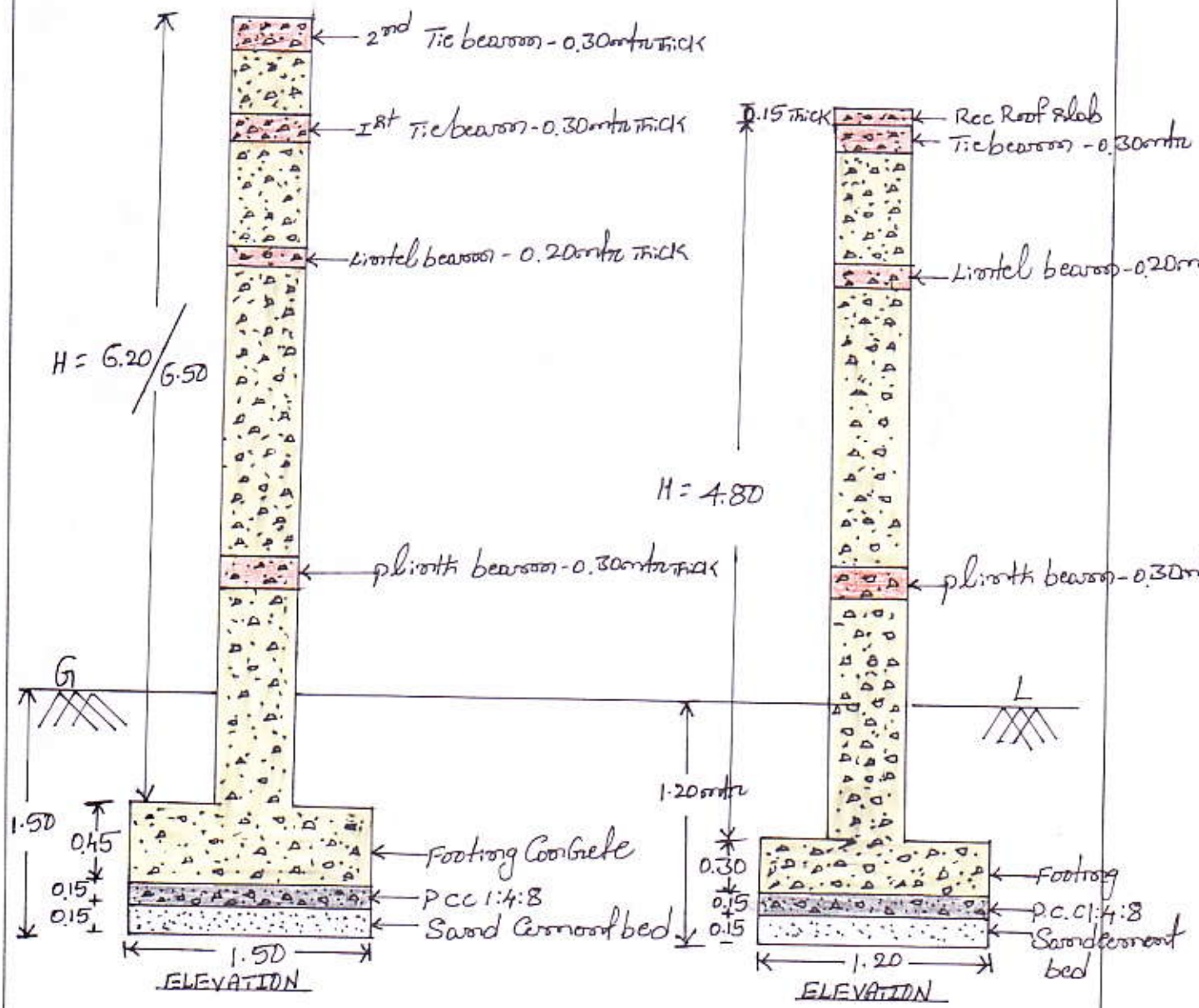
FRONT ELEVATION



C/S OF FOUNDATION WALL

INDEX
D :- 2×0.90×2.10
D1 :- 2×0.75×2.10
W :- 4×0.90×1.20
V :- 2×0.75×0.45
C1 :- 11×0.60×0.20
C2 :- 4×0.40×0.20

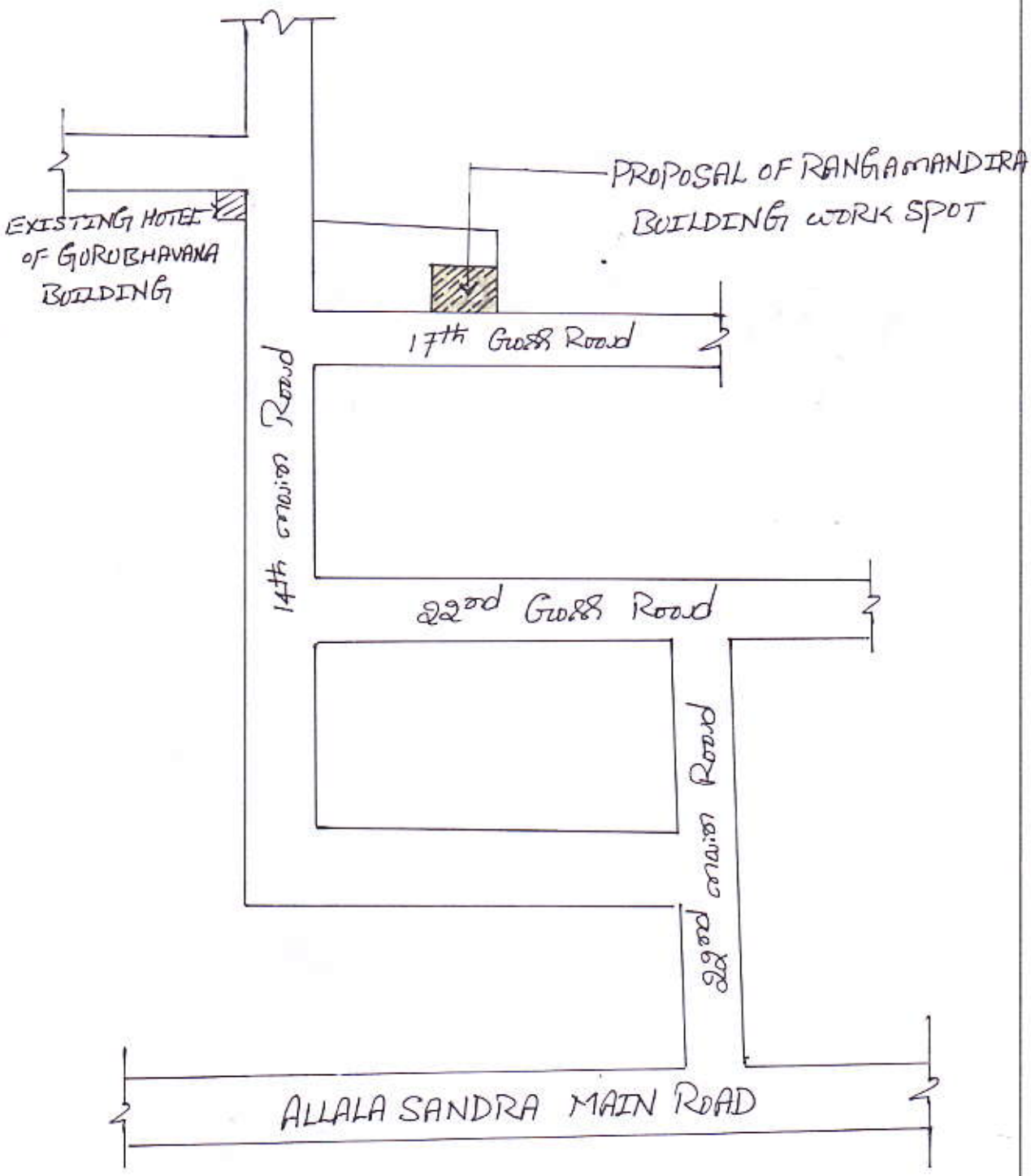
Name of work :- Construction of Rangamandiram in Judicial Layout in ward No-04



R.C.C COLUMNS

K.M. Halli
AE

Name of work: Construction of Rangamandira in Judicial Layout in ward No-04



LAYOUT KEY PLAN

K.M. Nalini
AE